

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-107808  
(43)Date of publication of application : 30.04.1993

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(51)Int.CI. G03G 9/087  
G03G 9/08

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(21)Application number : 03-297916 (71)Applicant : RICOH CO LTD  
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## (54) ELECTROSTATIC CHARGE IMAGE DEVELOPING TONER

### (57)Abstract:

**PURPOSE:** To obtain a toner having excellent low temp. fixing property which gives stable high-quality picture images with little change in charge amt. against changes in moisture of the use environment by depositing and fixing a vinyl resin obtd. by specified polymn. method on the surface of mother particles essentially comprising a polyester resin having a specified particle size.

**CONSTITUTION:** Small particles of styrene resin and/or acryl resin having 0.01-3 $\mu$ m particle size obtd. by soap-free emulsifying polymn. are fixed on surfaces of mother particles. These mother particles consist of a polyester resin and a coloring agent and have 1-20 $\mu$ m volume average particle size. When particles treated with a fluorine-base surfactant, more particularly, with quaternary ammonium salt as the fluorine-base surfactant are used as small particles of styrene resin and/or acryl resin, the negative electrifying property of the toner is increased and changes of charge amt. with changes in moisture can be further decreased.

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### LEGAL STATUS

[Date of request for examination] 25.09.1998

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the  
examiner's decision of rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number] 3104883 ←

[Date of registration] 01.09.2000

[Number of appeal against examiner's decision of  
rejection]

[Date of requesting appeal against examiner's decision of  
rejection]

[Date of extinction of right]